

1. (Currently Amended) A method for operating a flue gas purification plant ~~(10) comprising having~~ a plurality of parallel absorber chambers ~~(11), in which the~~ method comprising:

simultaneously oxidizing CO and NO in each absorber chamber ~~(11), CO and NO~~ are simultaneously oxidized by means of with a catalyst in a first absorber ~~(15)~~ according to the SCONOX principle, and absorbing the resulting NO<sub>2</sub> ~~is absorbed~~ on the catalyst surface, ~~in which;~~

oxidizing SO<sub>2</sub> ~~is furthermore oxidized by means of with~~ a catalyst in a second absorber ~~(14)~~ upstream of the first absorber ~~(15)~~ according to the SCOSOx principle, and absorbing the resulting SO<sub>3</sub> ~~is absorbed~~ on the catalyst surface, ~~in which method;~~

successively regenerating the absorber chambers ~~(11)~~ are successively regenerated by means of with a regeneration gas containing hydrogen ~~and/or~~, hydrogen compounds, or both, in regularly repeating regeneration cycles affecting all the absorber chambers ~~(11), characterized in that;~~ and

selecting the regeneration time of the second absorber ~~(14)~~ within the regeneration cycle ~~is respectively selected~~ to be long enough ~~to guarantee sufficient for~~ regeneration of the second absorber ~~(14)~~.

2. (Currently Amended) The method as claimed in claim 1, ~~characterized in that comprising:~~

allocating a regeneration time for each absorber chamber ~~(11)~~ is allocated a regeneration time within the regeneration cycle, ~~in that for full regeneration of an absorber chamber (11) in the regeneration time;~~

regenerating the second absorber ~~(14)~~ is first regenerated in a first time segment; and

regenerating the first absorber ~~(15)~~ is regenerated in a subsequent second time segment, ~~and in that , wherein~~ the first time segment ~~lasts is~~ at least about 5 minutes, for full regeneration of an absorber chamber in the regeneration time.

3. (Currently Amended) The method as claimed in claim 2, ~~characterized in that wherein~~ the second time segment ~~lasts is~~ at least about 3 minutes.

4. (Currently Amended) The method as claimed in claim 1, ~~characterized in that comprising regenerating~~ the first and second absorbers (14, 15) ~~are regenerated~~ independently of one another.

5. (Currently Amended) The method as claimed in ~~one of claims 1 to 4~~ Claim 1, characterized in that comprising:  
regenerating the first absorbers (15) of the absorber chambers (11) ~~are regenerated~~ in a first regeneration cycle; and  
regenerating the second absorbers (14) of the absorber chambers (11) ~~are regenerated~~ in a second regeneration cycle, ~~and in that;~~  
wherein the second regeneration cycle lasts substantially longer than the first regeneration cycle.

6. (Currently Amended) The method as claimed in claim 5, ~~characterized in that wherein~~ only the second absorber (14) of an absorber chamber (11) is respectively regenerated in each first regeneration cycle.